

1/25

Parasite donor age (years)

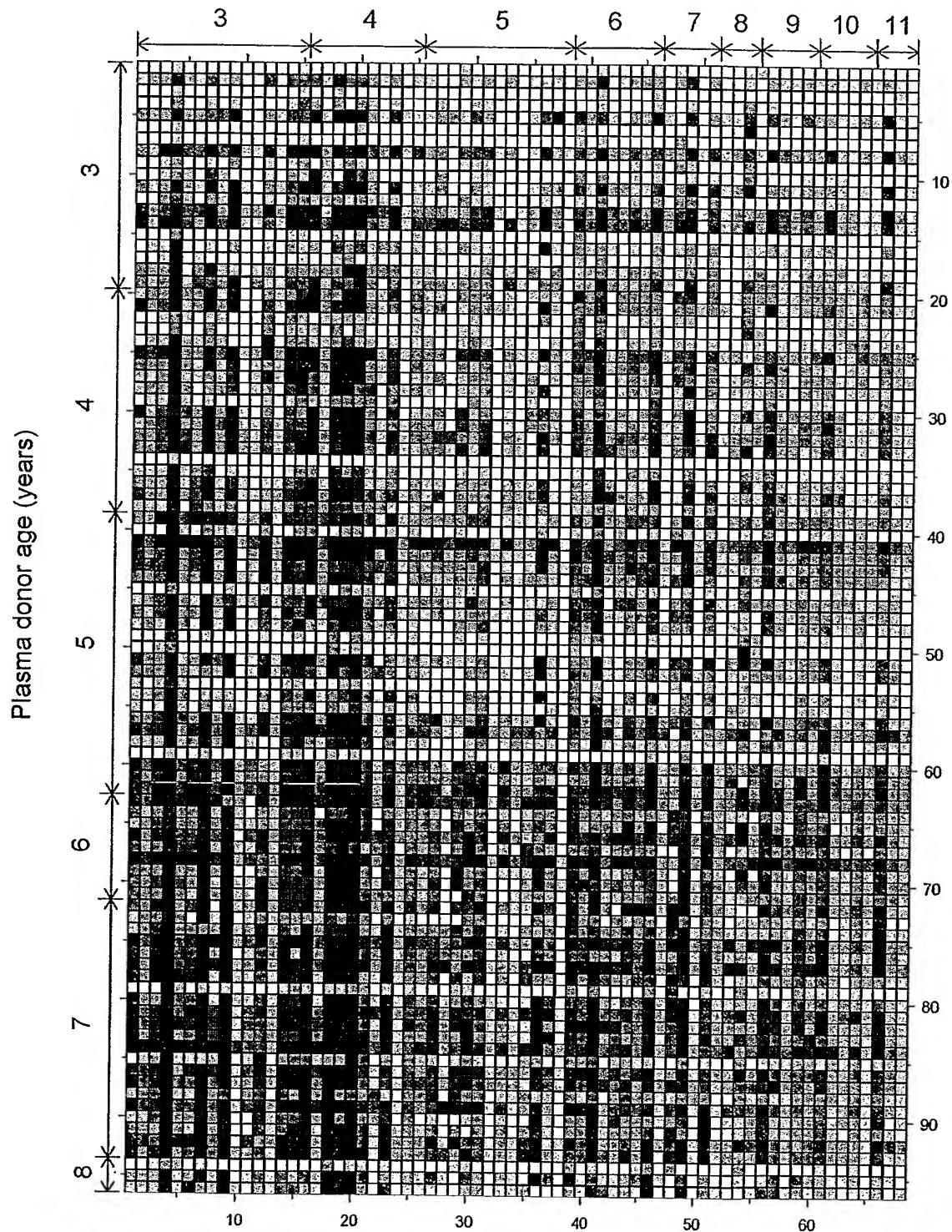


Fig. 1

SUBSTITUTE SHEET (RULE 26)

2/25

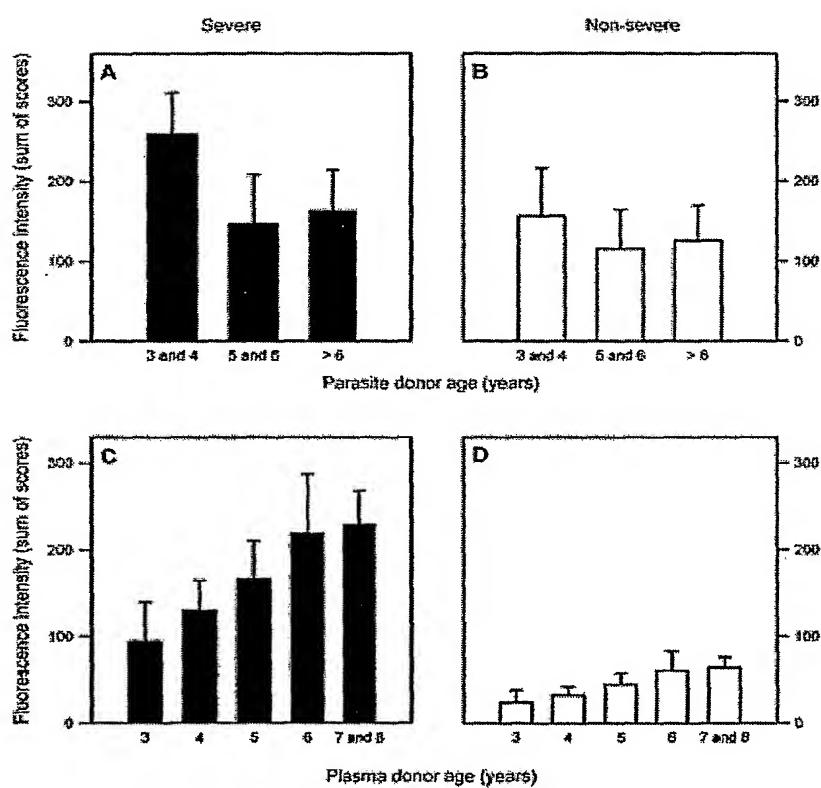
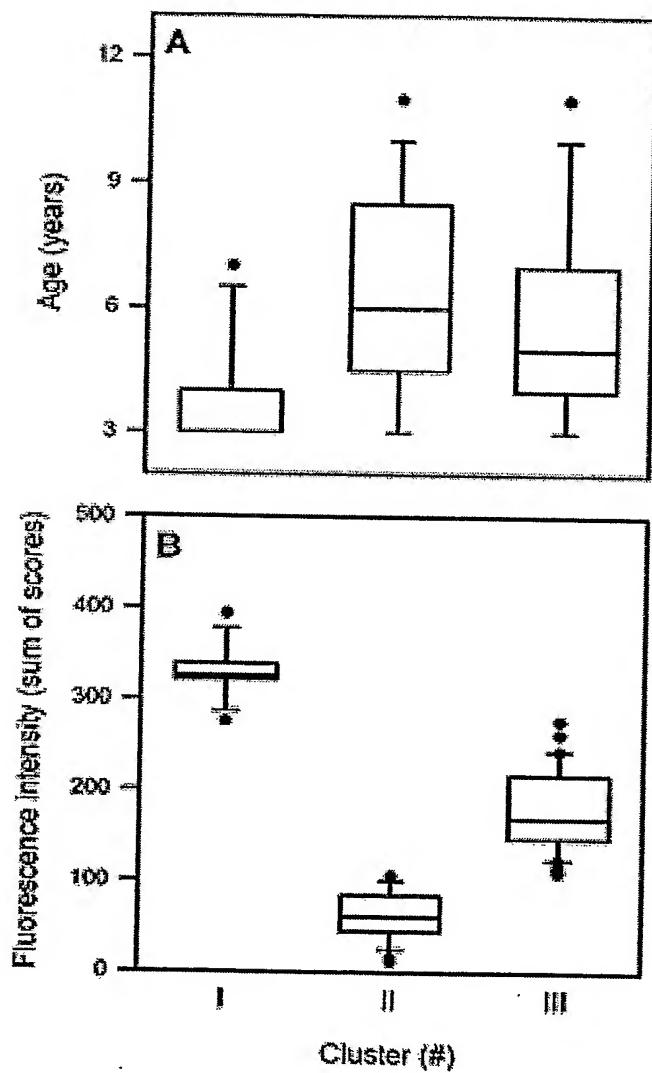


Fig. 2

SUBSTITUTE SHEET (RULE 26)

**3/25****Fig. 3****SUBSTITUTE SHEET (RULE 26)**

4/25

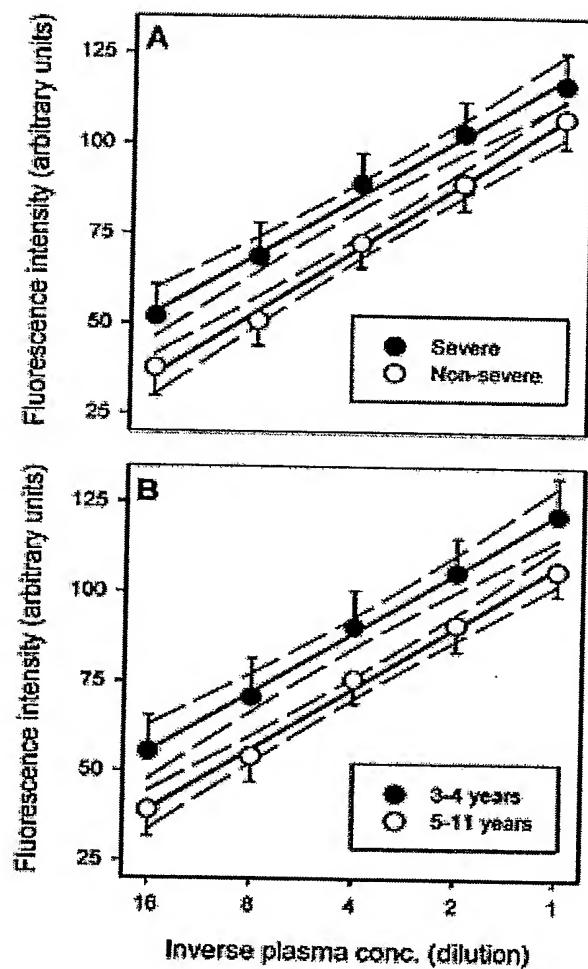
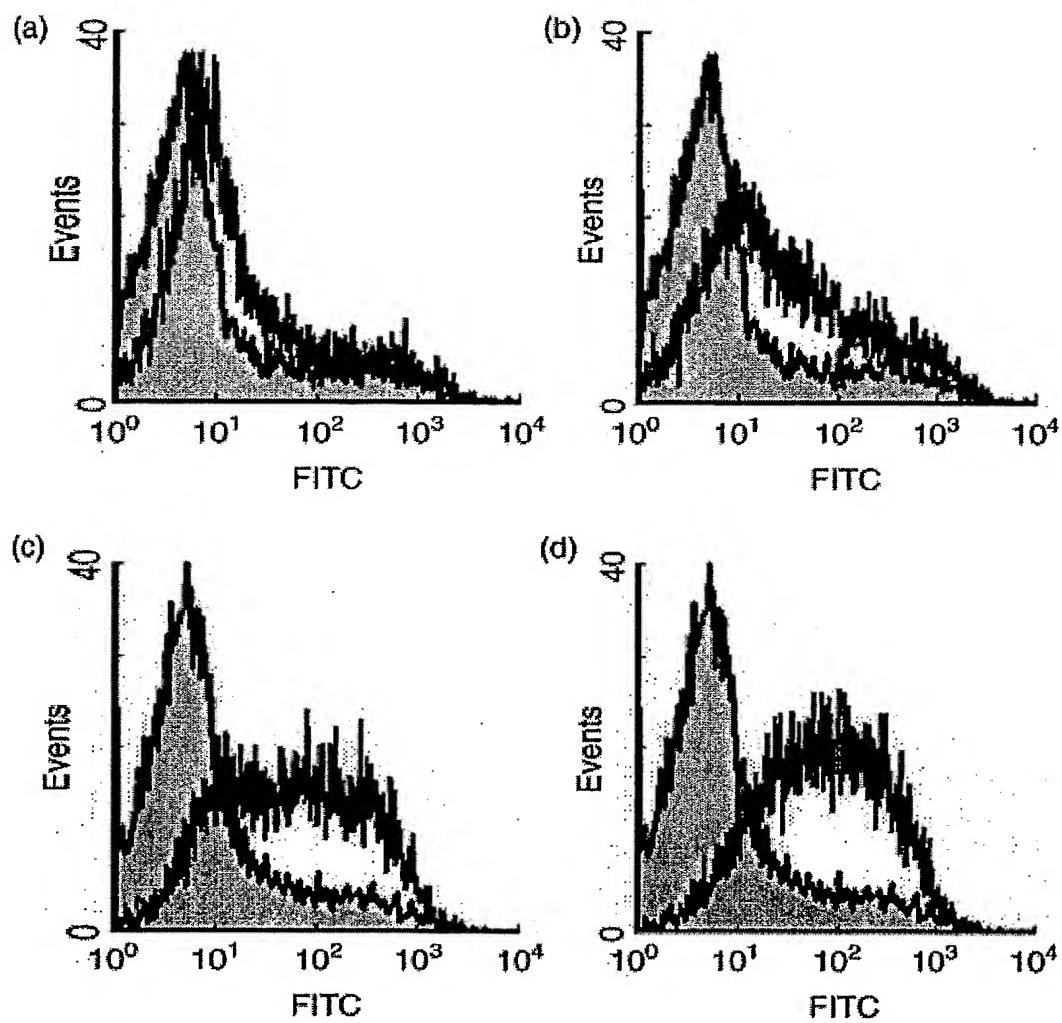


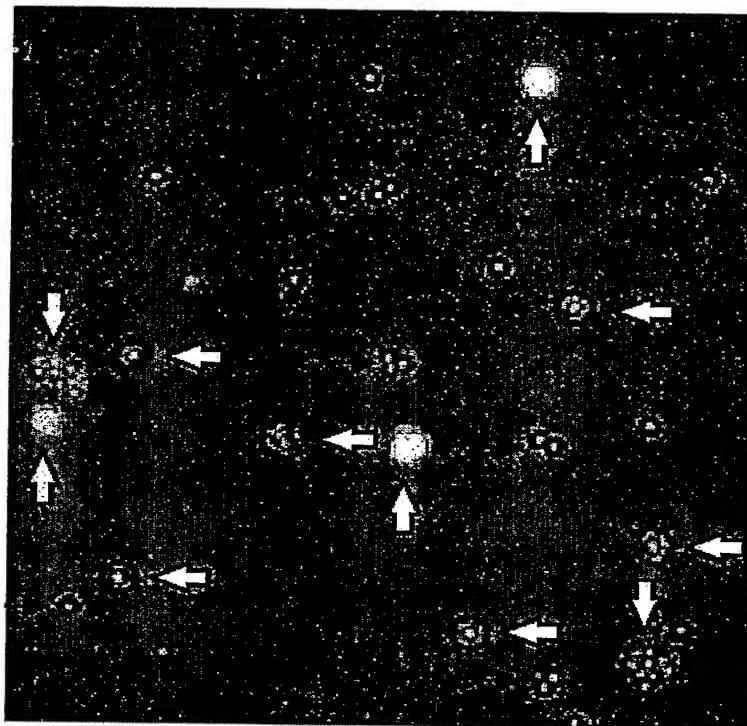
Fig. 4

SUBSTITUTE SHEET (RULE 26)

**5/25**

**Fig. 5**  
SUBSTITUTE SHEET (RULE 26)

**6/25**



**Fig. 6**

**SUBSTITUTE SHEET (RULE 26)**

7/25

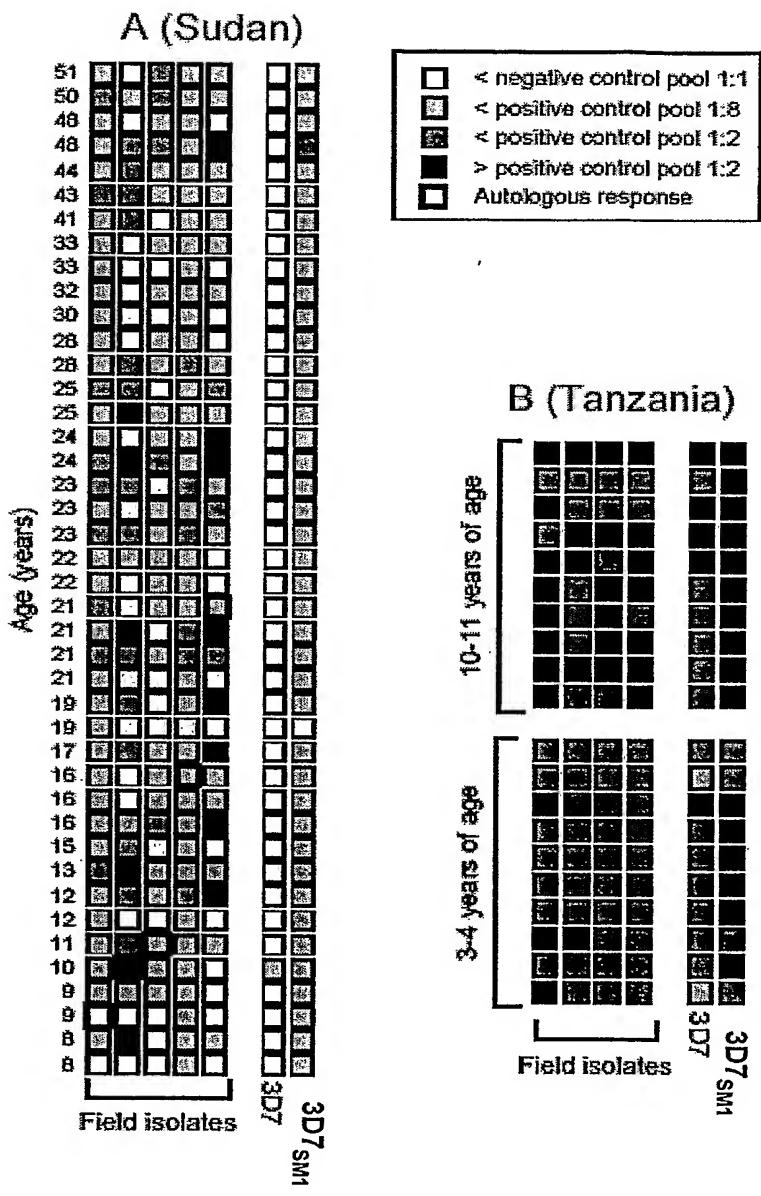
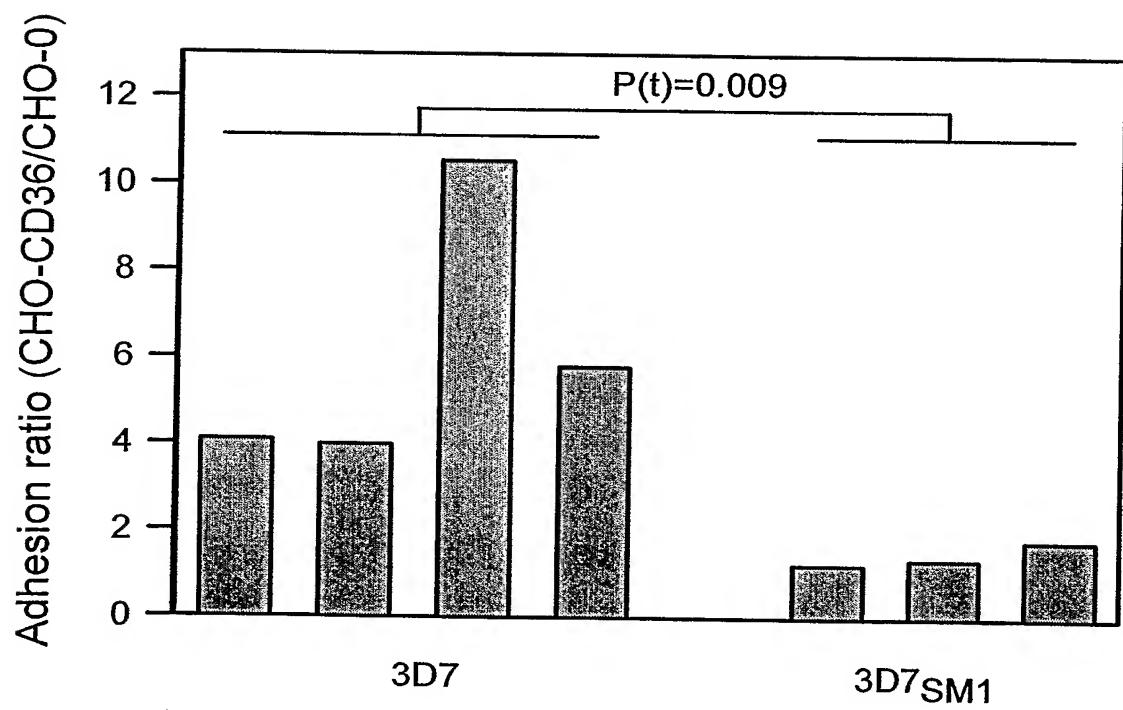


Fig. 7

SUBSTITUTE SHEET (RULE 26)

**8/25****Fig. 8****SUBSTITUTE SHEET (RULE 26)**

9 / 25

Gene	Location	Orientation (transcribed towards)	DBL1-			3' region	Domain structure										
			5' region	CIDR1	Intron		DBL1-α	CIDR1-α	DBL2-β	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
PFE1640w**	Telopheric	Telomere	upsD	A	Name	None	DBL1-α	CIDR1-α	DBL2-β	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
PFL0030c	Near telomere	Telomere	upsE	None	A	D	DBL1-α	CIDR1-α	DBL2-β	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
PFD1235w	Near telomere	Telomere	upsA	A	A	A	DBL1-α	CIDR1-α	DBL2-β	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
MALTP1.1	Telomeric	Telomere	upsA	A	A	A	DBL1-α	CIDR1-α	DBL2-β	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
PF11_0521	Telomeric	Telomere	upsA	A	A	A	DBL1-α	CIDR1-α	DBL2-β	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
PF13_0003	Near telomere	Telomere	upsA	A	A	A	DBL1-α	CIDR1-α	DBL2-β	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
PF08_0141	Near telomere	Telomere	upsA	A	X	A	DBL1-α	CIDR1-γ	DBL2-β	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
PF11_0008	Near telomere	Telomere	upsA	A	X	A	DBL1-α	CIDR1-γ	DBL2-γ	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
PFD0020c	Near telomere	Telomere	upsA	A	X	A	DBL1-α	CIDR1-γ	DBL2-γ	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
PF0015c	Near telomere	Telomere	upsA	A*	All	A	DBL1-α	CIDR1-ε	DBL2-β	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
MAL6P1.314	Near telomere	Telomere	upsA	A*	All	A	DBL1-α	CIDR1-ε	DBL2-ε	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
PFI1820w	Near telomere	Telomere	upsA	A*	All	A	DBL1-α	CIDR1-ε	DBL2-ε	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
PF08_0140	Near telomere	Centromere	upsBsh	A	B	B	DBL1-α	CIDR1-ε	DBL2-β	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
MAL6P1.316	Near telomere	Centromere	upsBsh	A	X	X	DBL1-α	CIDR1-β	DBL2-β	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
PF0020w	Near telomere	Centromere	upsBsh	X	X	B	DBL1-α	CIDR1-β	DBL2-β	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
MAL6P1.4	Telomeric	Centromere	upsB	C	X	B	DBL1-α	CIDR1-α	DBL2-β	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
PF11_0007	Telomeric	Centromere	upsB	X	B	D	DBL1-α	CIDR1-α	DBL2-δ	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
PF08_0142	Telomeric	Centromere	upsB	B	B	D	DBL1-α	CIDR1-α	DBL2-δ	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
PFE0050w	Telomeric	Centromere	upsB	B	B	D	DBL1-α	CIDR1-α	DBL2-δ	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
PFA0050w	Telomeric	Centromere	upsB	B	B	C	DBL1-α	CIDR1-α	DBL2-δ	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
PFA0765c	Telomeric	Centromere	upsB	B	B	B	DBL1-α	CIDR1-α	DBL2-δ	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
PFC1120c	Telomeric	Centromere	upsB	B	B	B	DBL1-α	CIDR1-α	DBL2-δ	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
PFD0050w	Telomeric	Centromere	upsB	B	B	B	DBL1-α	CIDR1-α	DBL2-δ	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
PF0005w	Telomeric	Centromere	upsB	D	B	B	DBL1-α	CIDR1-α	DBL2-δ	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
PF13_0364	Telomeric	Centromere	upsB	D	B	B	DBL1-α	CIDR1-α	DBL2-δ	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
PF07_0139	Telomeric	Centromere	upsB	D	X	B	DBL1-α	CIDR1-α	DBL2-δ	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	
PF1055c	Telomeric	Centromere	upsB	D	X	B	DBL1-α	CIDR1-α	DBL2-δ	C2	DBL3-γ	DBL4-ε	DBL5-γ	DBL6-β	DBL7-ε	...	

Fig. 9

SUBSTITUTE SHEET (RULE 26)

10/25

var group B

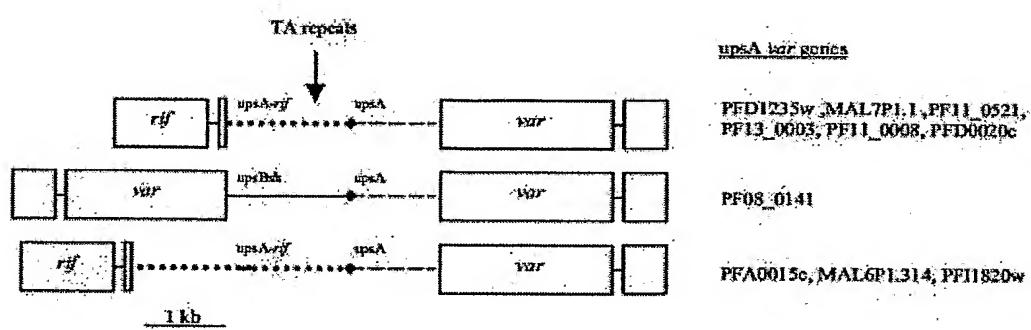
PF10_0406	Telomeric	Centromere	upsB	B	X	B	B	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\beta$	ATS
PFL0005W	Telomeric	Centromere	upsB	B	X	B	B	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\beta$	ATS
PFB0010W	Telomeric	Centromere	upsB	B	X	B	B	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\gamma$		
FFC0005W	Telomeric	Centromere	upsB	B	X	B	B	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\beta$	ATS
FFL2665c	Telomeric	Centromere	upsB	B	X	B	B	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\beta$	ATS
FF13_0001	Telomeric	Centromere	upsB	B	X	B	B	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\beta$	ATS
MALGP1.1	Telomeric	Centromere	upsB	E	B	B	B	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\beta$	ATS
PFID1245c	Telomeric	Centromere	upsB	X	X	C	B	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\beta$	ATS
PF11830C	Telomeric	Centromere	upsB	C	X	B	B	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\gamma$	ATS
PF10_0001	Telomeric	Centromere	upsB	C	X	B	B	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\gamma$	ATS
PF10_0985C	Centromeric	Telomere	upsB	D	X	C	B	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\gamma$	ATS
PF0663C	Centromeric	Telomere	upsB	D	X	C	B	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\gamma$	ATS
PFL1955W	Centromeric	Telomere	upsBsh	C	B	C	C	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\beta$	ATS
PF08_0106	Centromeric	Telomere	upsBsh	C	B	C	X	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\beta$	ATS
MAL7P1.50	Centromeric	Telomere	upsBsh	C	X	C	X	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\beta$	ATS
PF08_0103	Centromeric	Telomere	upsBsh	B	X	C	X	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\beta$	ATS
MAL7P1.55	Centromeric	Telomere	upsBsh	B	X	C	C	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\gamma$	ATS
PF07_0050	Centromeric	Telomere	upsBsh	B	A	B	D	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	C2	DBL3- $\gamma$
PFID1005C	Centromeric	Telomere	upsBsh	E	B	B	C	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\gamma$	ATS
PFL1950W	Centromeric	Telomere	upsB $\alpha$	E	X	B	D	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	C2	DBL3- $\delta$
MALGP1.252	Centromeric	Telomere	upsB $\alpha$	B	D	X	D	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\beta$	ATS
PFDC095C	Centromeric	Telomere	upsC	C	X	D	X	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\gamma$	ATS
MAL7P1.56	Centromeric	Telomere	upsC	C	X	B	D	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\beta$	ATS
PF08_0107	Centromeric	Telomere	upsC	X	B	B	D	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\gamma$	ATS
PF07_0049	Centromeric	Telomere	upsC	C	B	C	X	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\gamma$	ATS
PFID030C	Centromeric	Telomere	upsC	C	B	C	C	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\gamma$	ATS
PFID1000C	Centromeric	Telomere	upsC	C	B	B	C	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\gamma$	ATS
PFID1015C	Centromeric	Telomere	upsC	D	B	B	X	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\beta$	ATS
PFID015C	Centromeric	Telomere	upsC	C	X	X	X	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\beta$	ATS
PF07_0051	Centromeric	Telomere	upsC	C	A	D	X	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\beta$	ATS
PF07_0048	Centromeric	Telomere	upsC	C	X	C	C	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\beta$	ATS
PFL1950W	Centromeric	Telomere	upsC	C	X	C	X	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\beta$	ATS
PFID625C	Centromeric	Telomere	upsC	C	X	C	X	DBL1- $\alpha$	CIDR1- $\alpha$	DBL2- $\delta$	CIDR $\beta$	ATS

Fig. 9 continued a

**11 / 25**

B PIEMP1	Strain	3D7 gene with closest related 5' sequence				Intron	ATS	3' region	Known domain structure							
		5' region	DBL1- CIDR1	DBL1- CIDR1	DBL2-β				C2	DBL3-γ	DBL4-δ	CIDR-β				
3D7 homologue: PFE1640w		Both 5' region and coding sequences are conserved [42]														
3D7 homologue: PFL0030c		Both 5' region and coding sequences are conserved [35]														
var1 family	FCR3	MALEP1.316	upsBsh <sup>A</sup>	A	nd.	C	D	DBL1-α	CIDR1-α	DBL2-β	C2	DBL3-γ				
AAA75397	Dd2	PF07_0050	upsB	C	nd.	B	X	DBL1-α	CIDR1-α	DBL2-β	C2	DBL3-γ				
AAA75396	FCR3	PF07_0139	upsB	E	nd.	B	X	DBL1-α	CIDR1-α	DBL2-β	C2	DBL3-δ				
AAA75398	It	PFL2665c	upsB	X	nd.	nd.	nd.	DBL1-α	CIDR1-α	DBL2-β	C2	DBL3-δ				
AD03351	It	PF08_0142	upsB	X	nd.	nd.	nd.	DBL1-α	CIDR1-α	DBL2-β	C2	DBL3-δ				
AF193424	MC	-	nd.	B	nd.	B	D	DBL1-α	CIDR1-α	DBL2-δ	C2	DBL3-γ				
ABB0251	AAC05220	-	PF0005w	upsB	B	nd.	nd.	DBL1-α	CIDR1-α	DBL2-β	C2	DBL3-δ				
AAC7438	FCR3	PFB1055c	upsB	X	nd.	B	nd.	DBL1-α	CIDR1-α	DBL2-β	C2	DBL3-δ				
ABB6961	It	PFL0020w	upsBsh	X	nd.	nd.	nd.	DBL1-α	CIDR1-α	DBL2-β	C2	DBL3-δ				
AAA75399	Dd2	PFD1015c	upsC	B	nd.	C	X	DBL1-α	CIDR1-α	DBL2-δ	CIDR-β	ATS				
AAC05730	FCR3	-	nd.	C	nd.	C	nd.	DBL1-α	CIDR1-α	DBL2-δ	CIDR-β	ATS				

**Fig. 9 continued b**

**12 / 25**

**Fig. 10**  
**SUBSTITUTE SHEET (RULE 26)**

13/25

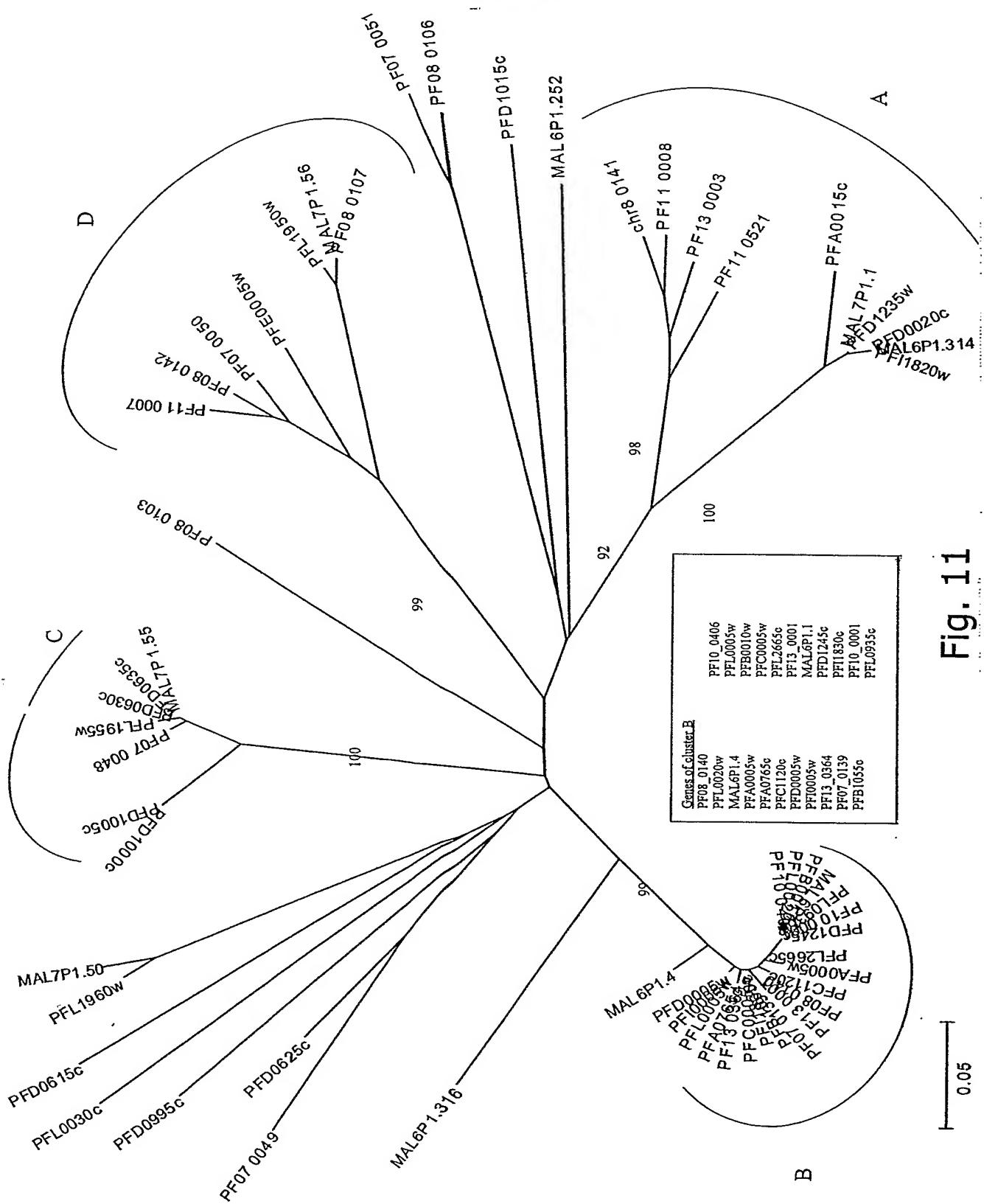


Fig. 11

14/25

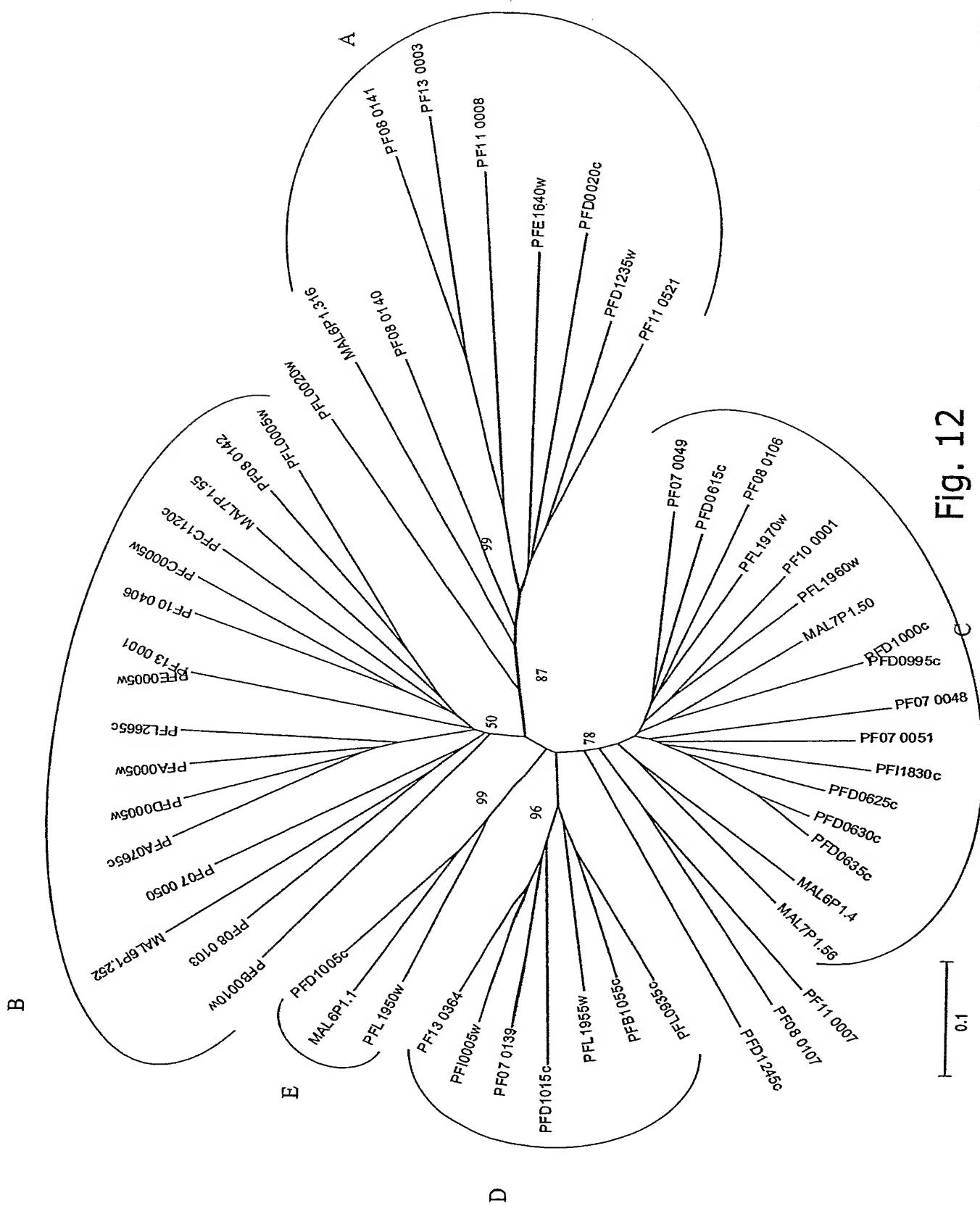


Fig. 12

15 / 25

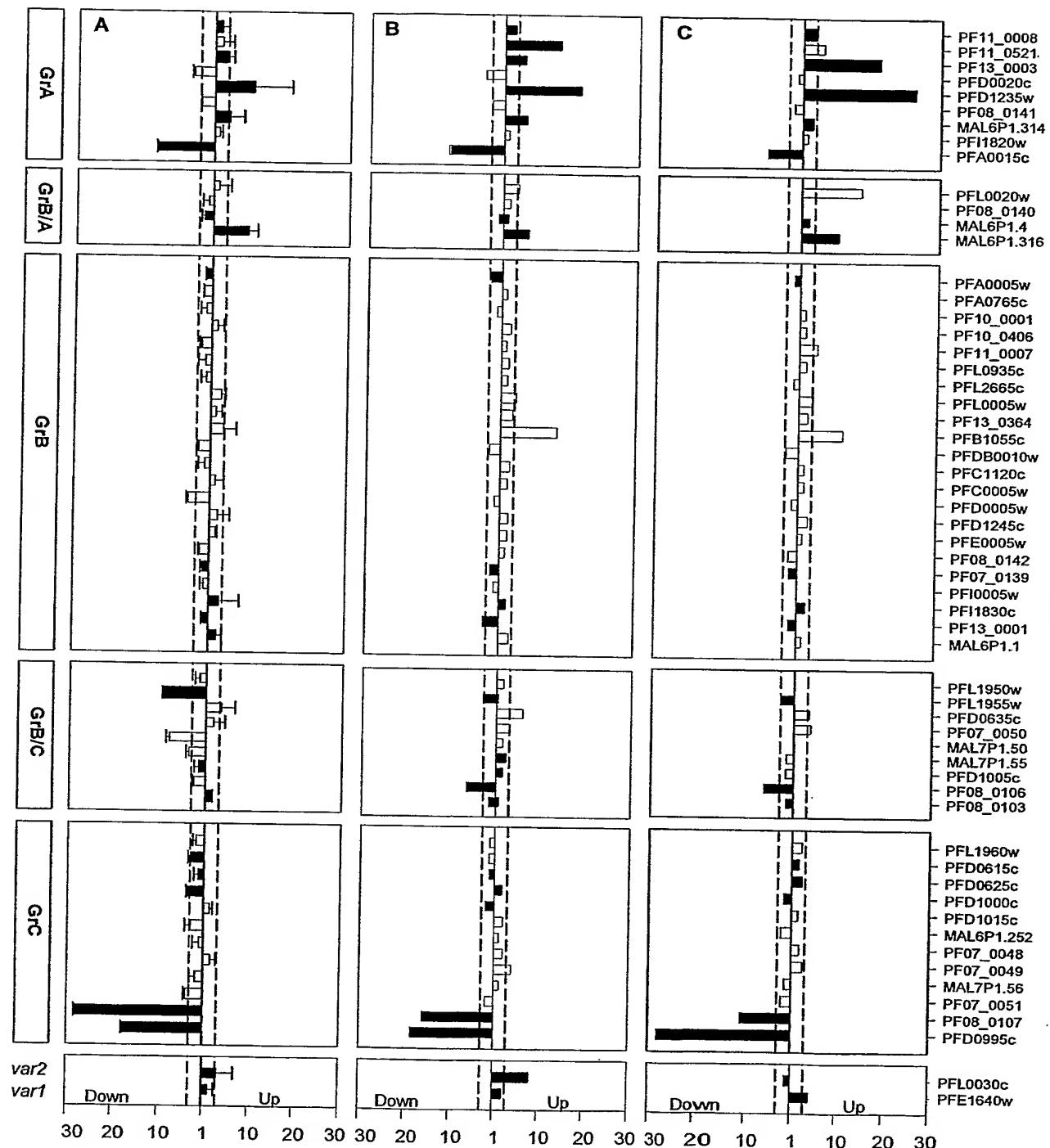


Fig. 13

16/25

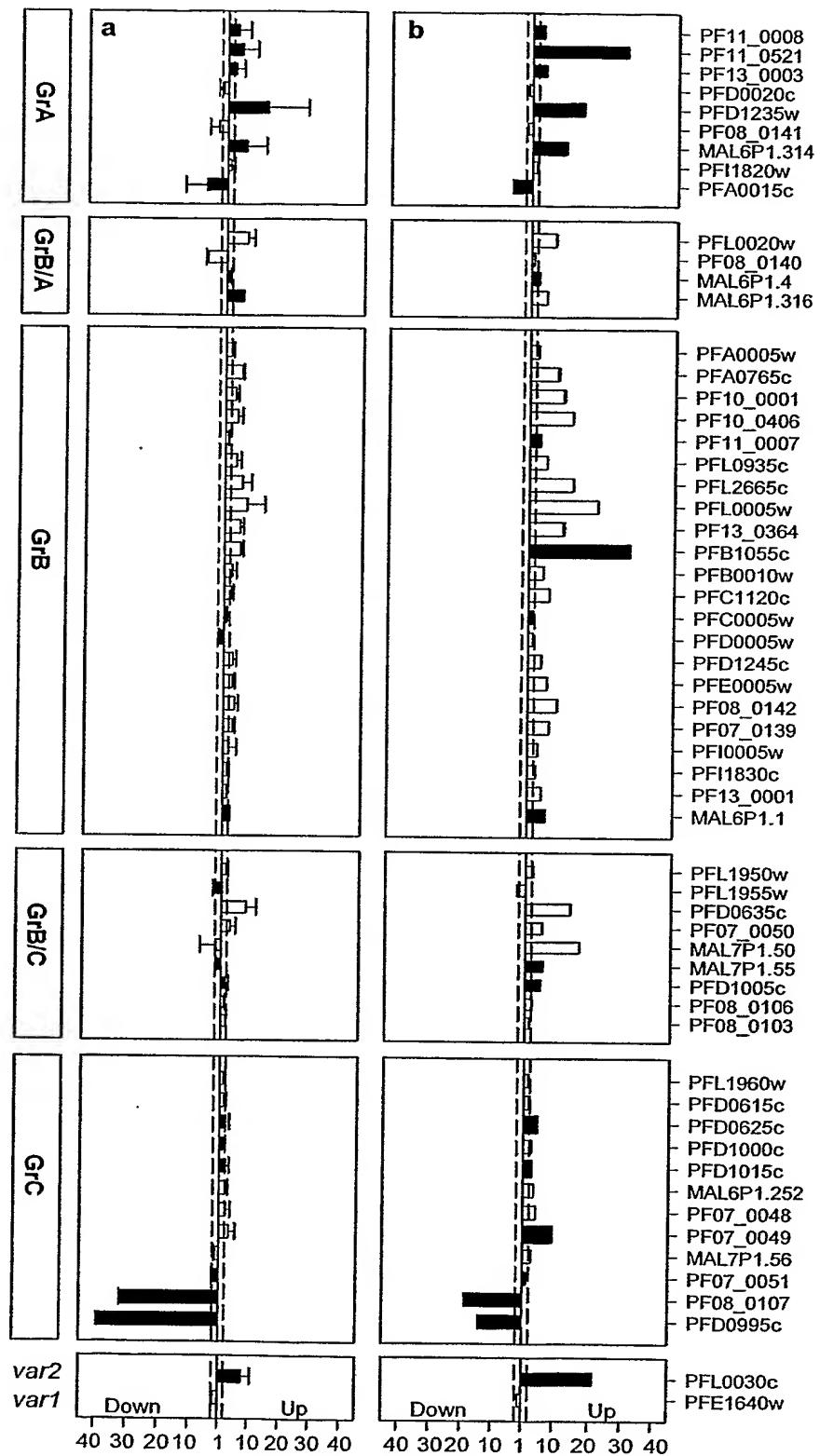
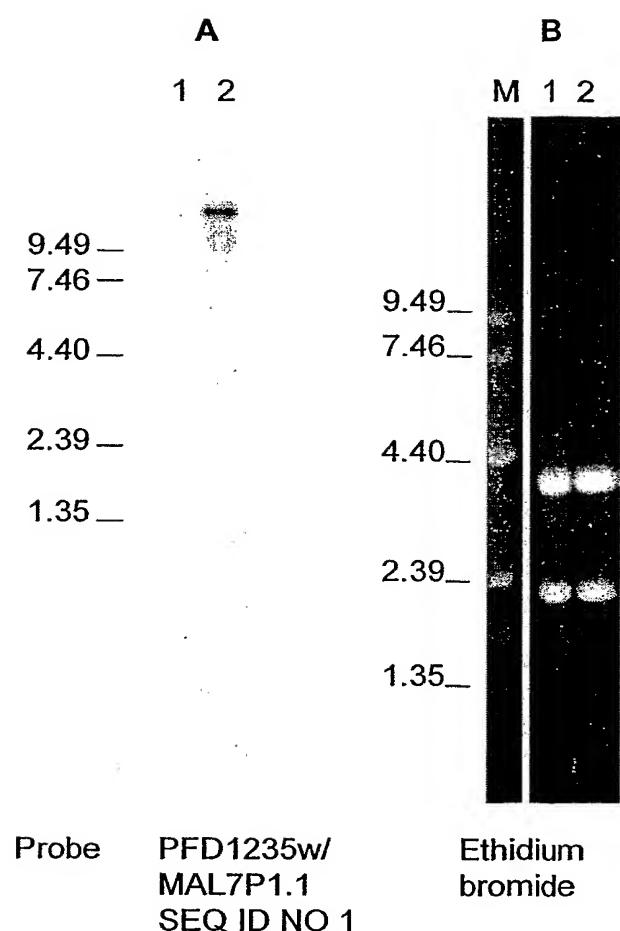


Fig. 14

SUBSTITUTE SHEET (RULE 26)

**17/25**

**Fig. 15**  
**SUBSTITUTE SHEET (RULE 26)**

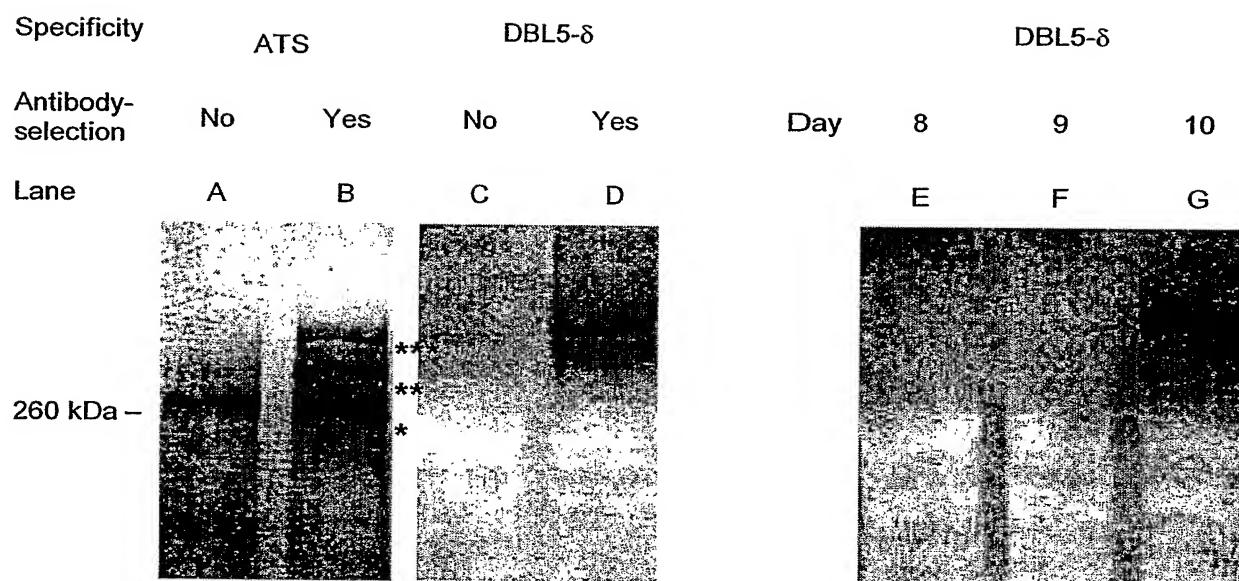
**18/25**

Fig. 16  
SUBSTITUTE SHEET (RULE 26)

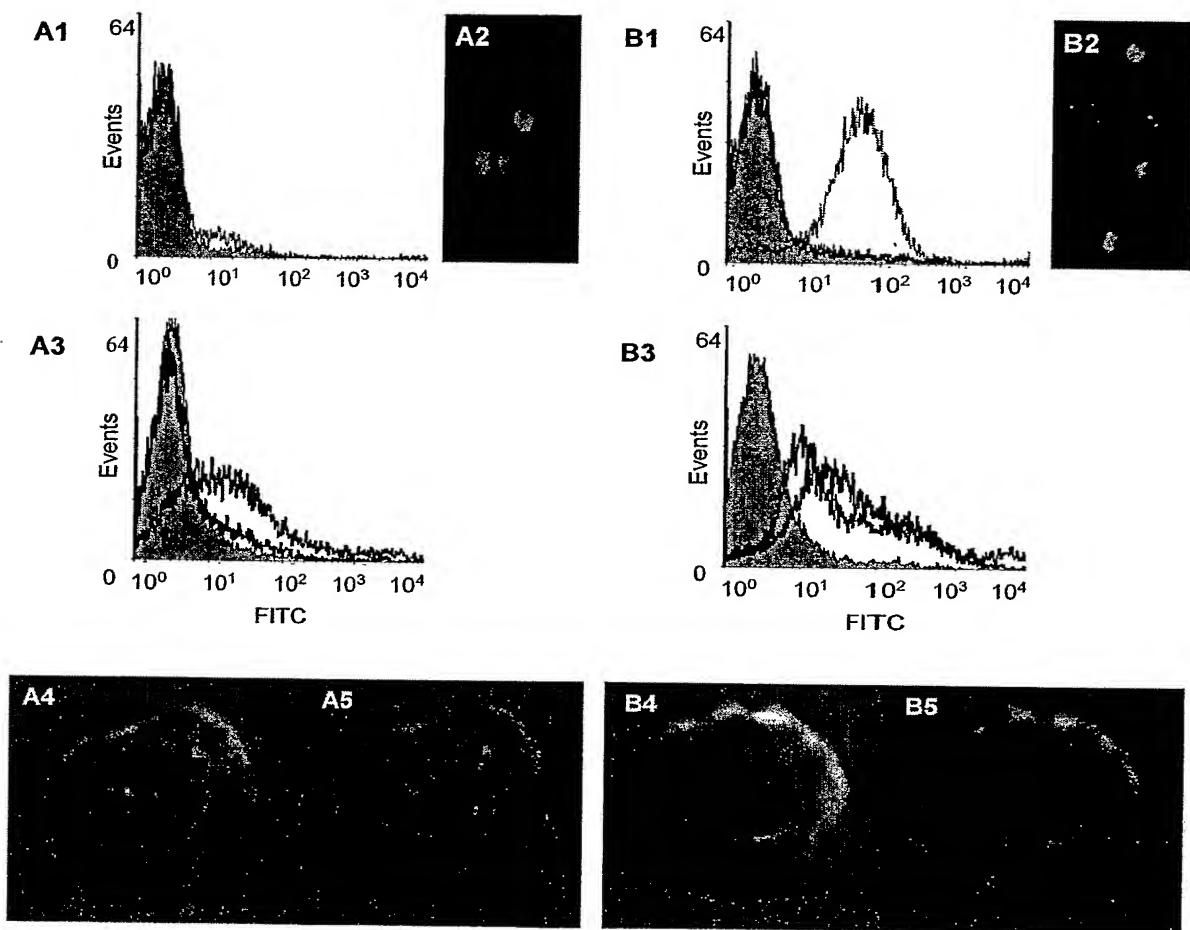
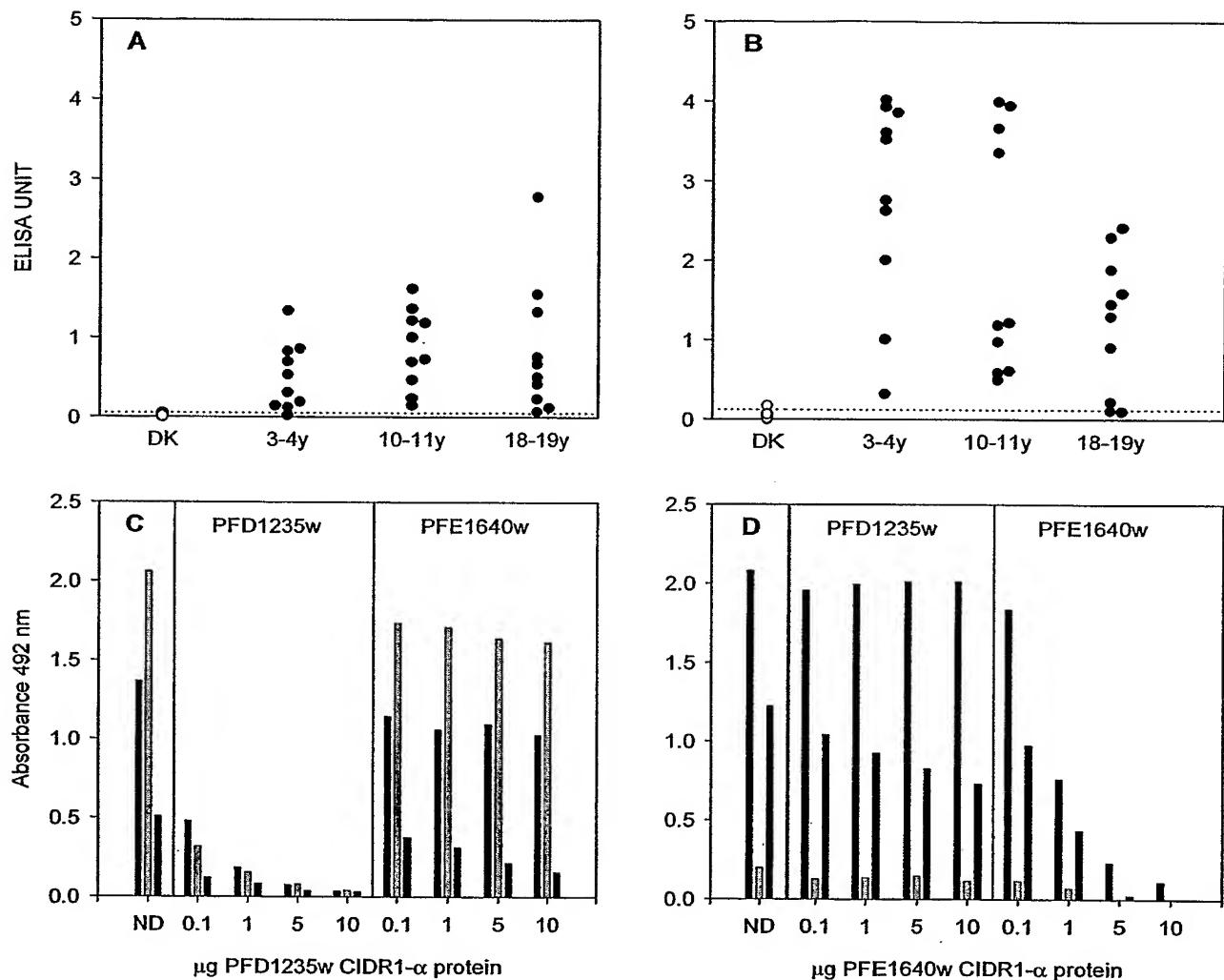
**19/25**

Fig. 17  
SUBSTITUTE SHEET (RULE 26)

**20/25**



**Fig. 18**  
SUBSTITUTE SHEET (RULE 26)

21 / 25

BM021/1-76	*	40	*	60	*	80		
BM048/1-76	:FHRIGEDRNPOLFSPSERFSNEGEARECGSDK: RD.GEP.SAG.DACAPYRRFYICDYNLNLHINENIRNTHDLDLGNTRMAF						81	
PF01235w/1	:FHRIGEDRNPOLFSPSERFSNEGEARECGSDK: RD.GEP.SAG.DACAPYRRFYICDYNLNLHINENIRNTHDLDLGNTRMAF						81	
	VWHRNAEADRNPCFLRSerEFSNEGEAECCgdsIdrdge4sagGACAPYRRyICDYNLNLHINENIRNTHDLLGN6LVMA4						79	
	*	100	*	120	*	140	*	160
BM021/1-76	:SEGESTWSHEYTGYGIYKSGMCTSLARSFADIGDIIRGKDLWLIGNGMDRLENKLKEFK: I:IDE.TSTATRG.KPLOP:						162	
BM048/1-76	:SEGESTWSHEYTGYGIYKSGMCTSLARSFADIGDIIRGKDLWLIGNGMDRLENKLKEFK: I:IDE.TSTATRG.KPLOP:						162	
PF01235w/1	:SEGESTWSHEYTGYGIYKSGMCTSLARSFADIGDIIRGKDLWLIGNGMDRLENKLKEFK: I:IDE.TSTATRG.KPLOP:						157	
	SEGESIVKSHEYTGYGIYKSG6CTSILARSFADIGDIIRGKDLY1gDngkD4LEnkL4eIFkNIYdE6tstatrgKkpqlqa							
	*	180	*	200	*	220	*	240
BM021/1-76	:R1KEDAP-WYQ-LRD-WKA-PHT-TWALTCOSAFAFDQYFIKSSVRDQDFESNDYQGHGEHEVLTNLDDYWPFLPWFEEWSE:						242	
BM048/1-76	:R1KEDAP-WYQ-LRD-WKA-PHT-TWALTCOSAFAFDQYFIKSSVRDQDFESNDYQGHGEHEVLTNLDDYWPFLPWFEEWSE:						242	
PF01235w/1	:YMD-GTG-HTRLPFAAL-FKD-WKALTCOSAFAFDQYFIKSSVRDQDFESNDYQGHGEHEVLTNLDDYWPFLPWFEEWSE:						238	
	rYQhDap 1YYqLRedWWtaNRhtVWKALTCSAPRDAQYFIKSSVRDQTSNDYCGHGEHEVLTNLDDYWPFLPWFEEWSE							
	*	260	*	280	*	300	*	320
BM021/1-76	:IFCRRIKKIIEKLKFDACRDDTHALYCGRIGEDECTKNTA: EN_PRGACINDWANLYESVLMWQDSEPAKQCNENRME:						322	
BM048/1-76	:IFCRRIKKIIEKLKFDACRDDTHALYCGRIGEDECTKNTA: EN_PRGACINDWANLYESVLMWQDSEPAKQCNENRME:						322	
PF01235w/1	:IFCRRIKKIIEKLKFDACRDDTHALYCGRIGEDECTKNTA: EN_PRGACINDWANLYESVLMWQDSEPAKQCNENRME:						319	
	EFCRIKKIKLknVkdACRDD3KaLYCgrNGYDCTKTnRN enLprgsKCTnCwaKcn6YEswLhNQqeEFkKQKeKyEKeI							
	*	340	*	360	*	380	*	400
BM021/1-76	:LK-KNEKEIKGSQHNNLWYEDFVKELEK-CANNINFLKLNLNEGNYCNKKEKE: E:NDFTNLKEGTPTFRSKVCGVCP:						401	
BM048/1-76	:LK-KNEKEIKGSQHNNLWYEDFVKELEK-CANNINFLKLNLNEGNYCNKKEKE: E:NDFTNLKEGTPTFRSKVCGVCP:						401	
PF01235w/1	:QTKTDAKIDPHEVKELEK-FDK-KNEGYETLKEFKLNLNEGRYC: -E:TSGR:EDFTMTI: DAFYFSD:CGCCE						398	
	1kYkSheki3gSNINNknYYedFYkeLekk cannInF6KLLNLNEG4YCnkJKEKie EeNIDFTniGeKgtFYRskYC26CPF							
	*	420	*	440	*	460	*	480
BM021/1-76	:CGWECKR-NJOTERPEEYXPECE: N:PA:TEPKDPA:TPEDPSI:SYVLTGDEQGD:FKNIS:EFOS:EN:RE:GEN:VCT:QC:Y:HNSDIN:						482	
BM048/1-76	:CGWECKR-NJOTERPEEYXPECE: N:PA:TEPKDPA:TPEDPSI:SYVLTGDEQGD:FKNIS:EFOS:EN:RE:GEN:YC:O:D:T:Y:IN:SDIN:						482	
PF01235w/1	:CGWECKR-NJOTERPEEYXPECE: N:PA:TEPKDPA:TPEDPSI:SYVLTGDEQGD:FKNIS:EFOS:EN:RE:GEN:YC:O:D:T:Y:IN:SDIN:						478	
	CGV2CrGnTCTPKKKejyPNc1nEaYiPpkDAtpidI3vLY3GDE2GDiTkKLseFcCsleN4ENGNY21WQCYKKnSDIN							
	*	500	*	520	*	540	*	560
BM021/1-76	:KCK-IPSSSHMVKHGVIISFFAFPLDTKMLIDITINWKL: E:LCNCINNTNTDQNDCHNCOPENKAMTKEENKKVK:						563	
BM048/1-76	:KCK-IPSSSHMVKHGVIISFFAFPLDTKMLIDITINWKL: E:LCNCINNTNTDQNDCHNCOPENKAMTKEENKKVK:						563	
PF01235w/1	:KCK-IPSSSHMVKHGVIISFFAFPLDTKMLIDITINWKL: E:LCNCINNTNTDQNDCHNCOPENKAMTKEENKKVK:						559	
	KCKMTPSSHVKHVKGYIMSF5AFFDLWVKNLLID3INWKnelTNcINNTNTDQNDCHNCOPENKAMTKEENKKVK:							
	*	580	*	600	*	620	*	640
BM021/1-76	:TTFGEKENTNTYIPLKHLIFPNSYFFHITKEVKEA:WNLKEM:KEKIDDS:SS:LN:G:GTDSEGAKVLFDHLKDAIERCIDN:						644	
BM048/1-76	:TTFGEKENTNTYIPLKHLIFPNSYFFHITKEVKEA:WNLKEM:KEKIDDS:SS:LN:G:GTDSEGAKVLFDHLKDAIERCIDN:						644	
PF01235w/1	:TTFGEKENTNTYIPLKHLIFPNSYFFHITKEVKEA:WNLKEM:KEKIDDS:SS:LN:G:GTDSEGAKVLFDHLKDAIERCIDN:						640	
	TYKNGENNTNTYYKKL11fkgYFPFHVMKE6NKcEkwnKLME1LKEKIDSSNLKNGTKDSEGAKVLFDHLKDAIERCIDN							
	*	660	*	680	*	700	*	720
BM021/1-76	:ISNEFCDVSK8KNTPCBETRBSNPfCNSVQKLAEMHQKAKCkLLGIRGGESNLKGDATRGTWLGQGQWTNLNGDICKITK:						725	
BM048/1-76	:ISNEFCDVSK8KNTPCBETRBSNPfCNSVQKLAEMHQKAKCkLLGIRGGESNLKGDATRGTWLGQGQWTNLNGDICKITK:						725	
PF01235w/1	:ISKDFPDPV:TTTAKPFPESEFIRSPLAHC:GEGGSK:GCA:TRGTWLGQGQWTNLNGDICKITK:						721	
	NShcScDvSkD3KTNPCsetr:GSKPTKSVQKLAEMHQKAKCkLLGIRGGESNLKGDATRGTWLGQGQWTNLNGDICKITK:							
	*	740	*	760				
BM021/1-76	:HNDSRPGEORGNAKVKANGFRNLIGEPTWVQKAKK: :	764						
BM048/1-76	:HNDSRPGEPTGNDKWTGFRNLIGEPTWVQKAKK: :	764						
PF01235w/1	:HNDSRPGEPTGKCVWNGFRNLIGEPTWVQKAKK: :	760						

Fig. 19

22 / 25

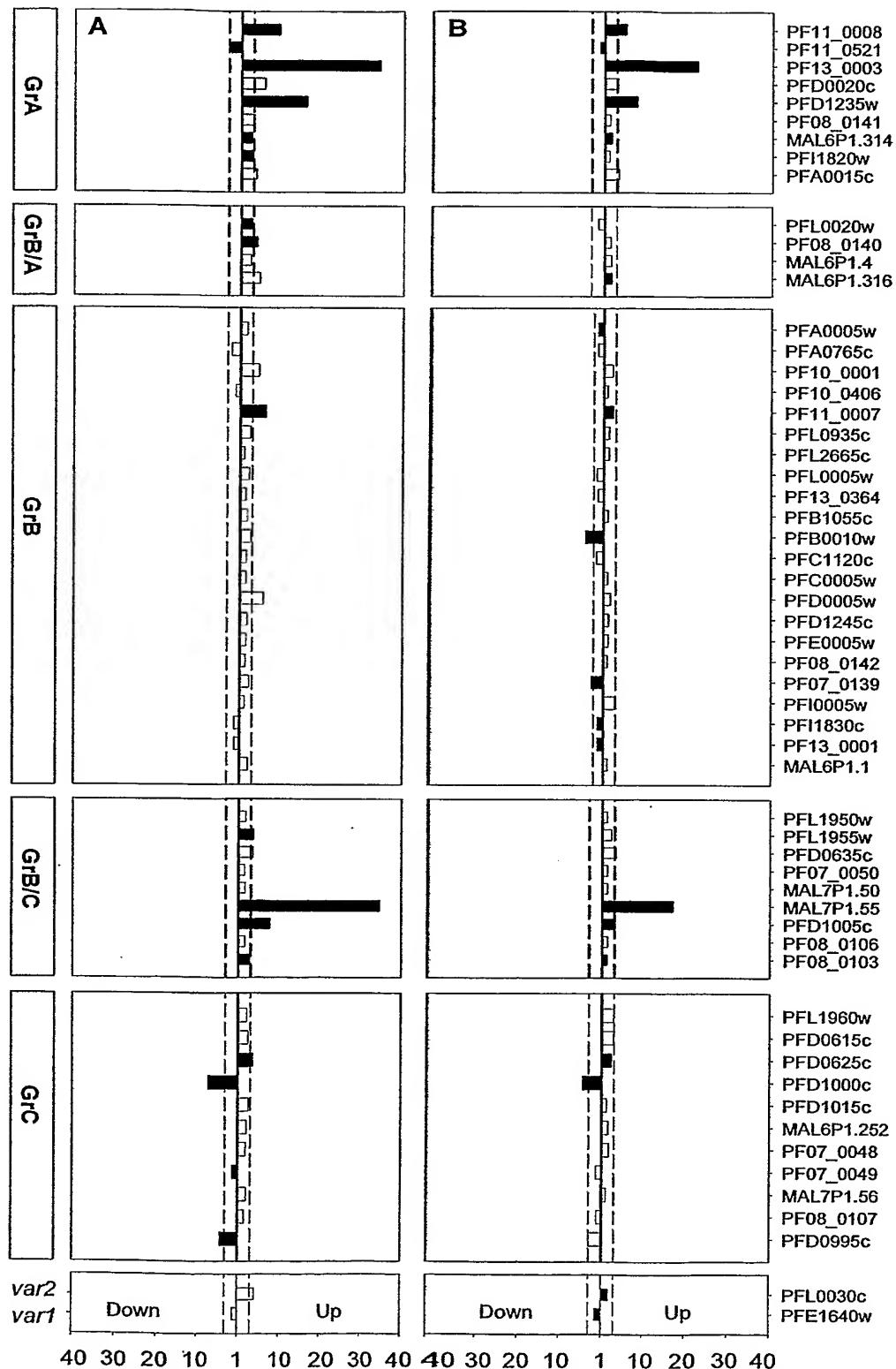
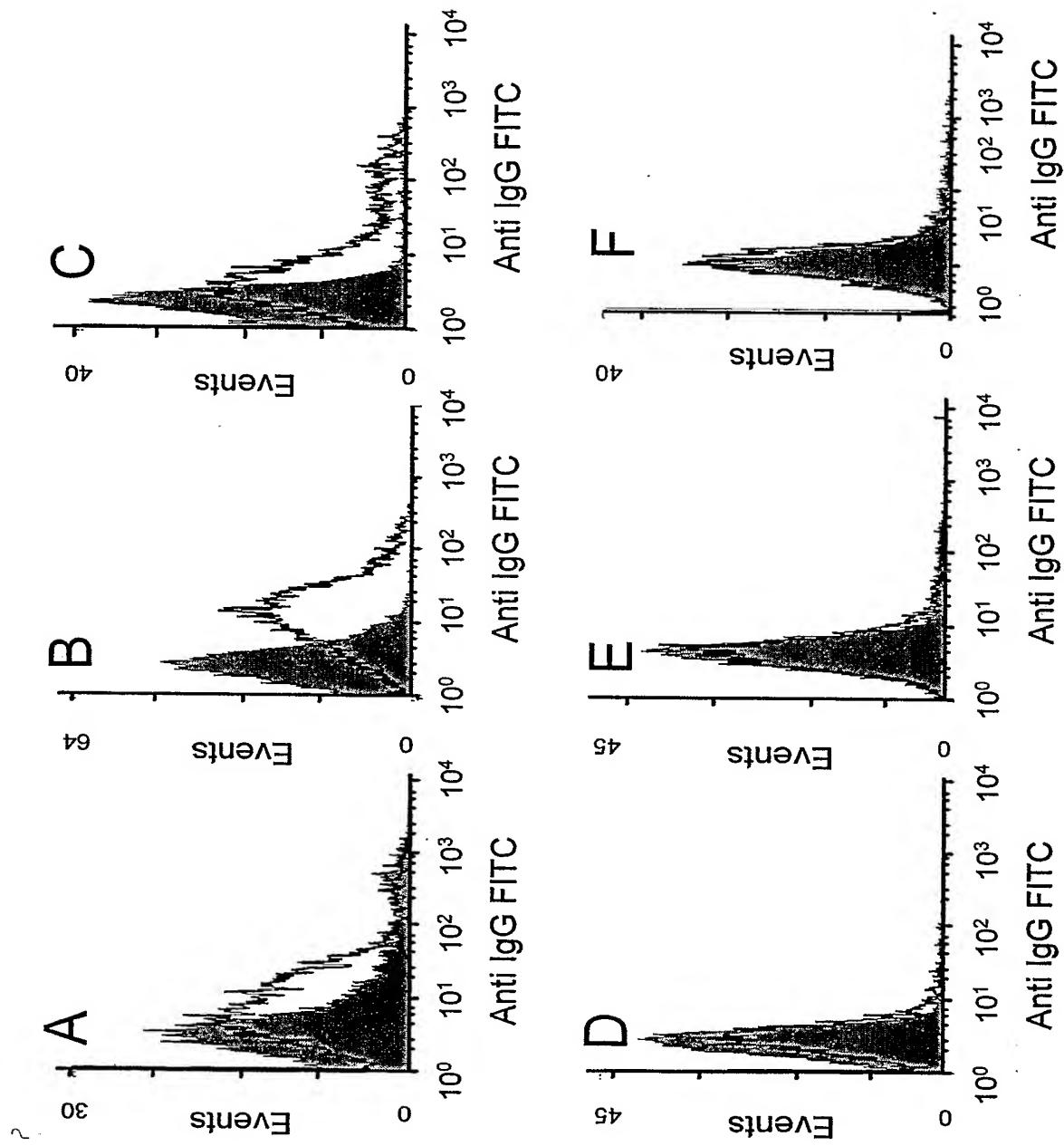
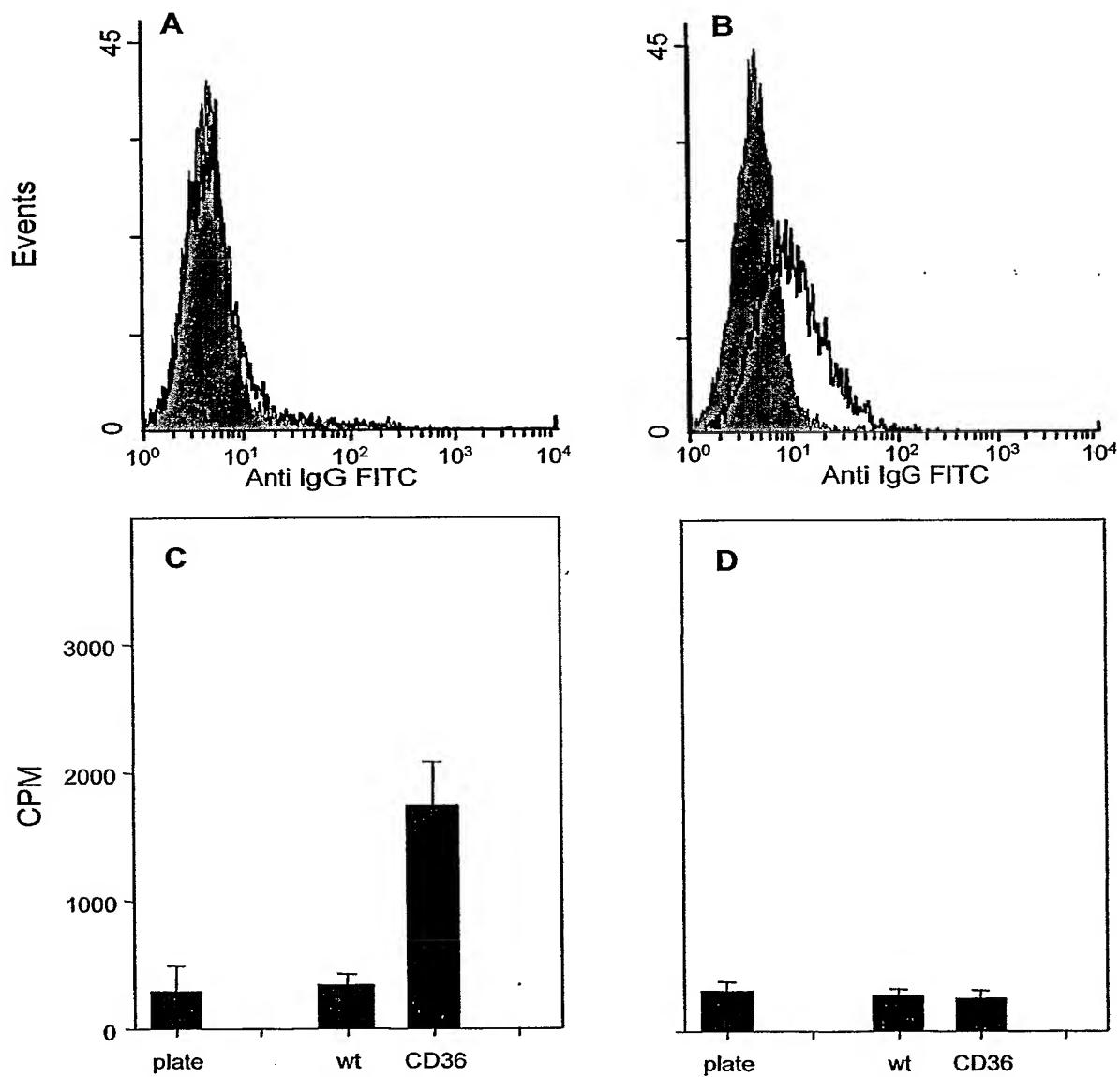
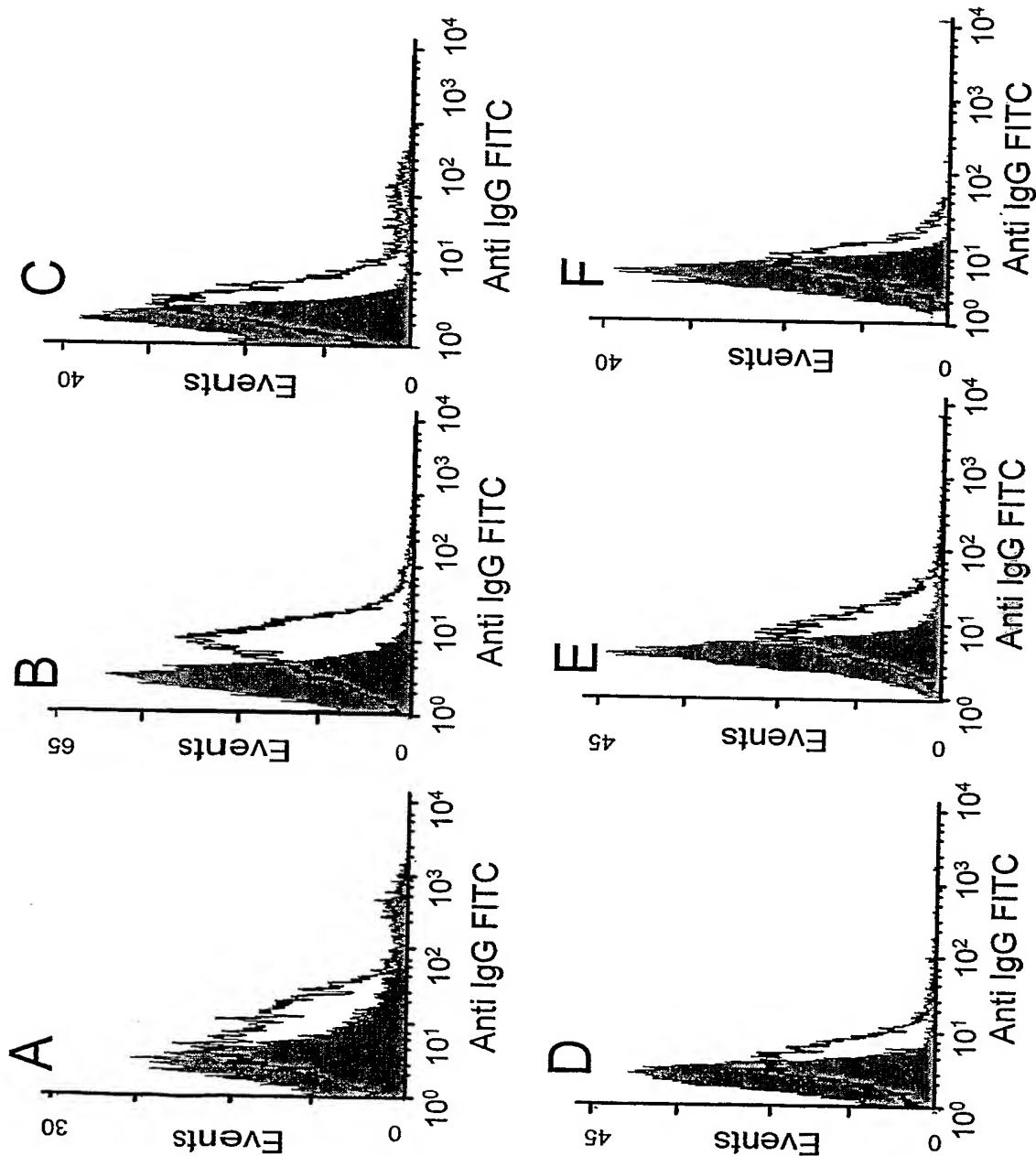


Fig. 20

SUBSTITUTE SHEET (RULE 26)

**23/25****Fig. 21.**

**24/25****Fig. 22****SUBSTITUTE SHEET (RULE 26)**

**25/25****Fig. 23**